

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

RECEIVED
Office Of Oil and Gas

FEB 21 2024

WV Department of
Environmental Protection

API 47-041-05715 County Lewis District Freemans Creek
Quad Weston Pad Name Flesher 1212 Field/Pool Name Kennedy
Farm name Flesher Well Number 1212 S5H
Operator (as registered with the OOG) HG Energy LLC
Address 5260 Dupont Rd. City Parkersburg State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 14206082.59 Easting 1785727.12
Landing Point of Curve Northing 14204989.20 Easting 1783186.43
Bottom Hole Northing 14191604.78 Easting 1788016.54

Elevation (ft) 1332 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
Air/ OBM
KCL, Barite, Lime, CaCL, base oil, clay, sulfatone, safevert FLG, safevert WA

Date permit issued 01/29/2021 Date drilling commenced 3/3/2021 Date drilling ceased 11/18/2021
Date completion activities began 12/15/2021 Date completion activities ceased 5/13/2022
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 283 Open mine(s) (Y/N) depths N
Salt water depth(s) ft Not observed Void(s) encountered (Y/N) depths N
Coal depth(s) ft 303, 473, 815, 910, 1065 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

APPROVED

Donald S. Arnold 3-14-24

03/22/2024

06/28/2024

API 47-041-05715 Farm name Flesher Well number 1212 S5H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	30"	100'	New	154.5 lbs/ft		N
Surface	26"	20"	1086	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2074	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2907	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	22058	New	23 lbs/ft P-11		Yes
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Not Cemented						
Surface	Class A	1856	15.6	1.18	2190	surface	8
Coal							
Intermediate 1	Class A	1403/658	16.0/16.4	1.16/1.10	1627/724	surface	24
Intermediate 2	Class A	1052	15.6	1.19	1252	surface	8
Intermediate 3							
Production	Class A	562/757/3009	13.5/13.5/14.8	1.83/1.67/1.34	1028/1264/4032	surface	8
Tubing							

Drillers TD (ft) ²²⁰⁸¹ _____ Loggers TD (ft) _____ RECEIVED
 Deepest formation penetrated Marcellus Plug back to (ft) _____ Office Of Oil and Gas
 Plug back procedure _____ FEB 21 2024

WV Department of Environmental Protection

Kick off depth (ft) ^{7077 MD} _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____
 20" casing: Centralizer placed on the shoe joint and every other joint to surface
 13.375" casing: centralizer run every joint to 20" casing then placed every 3 joints to surface
 9.625" casing: Centralizers run every other joint to 13.375" casing then placed every 3 joints to surface
 5.5" casing: Centralizer run every joint to top of curve (KOP) then centralizers placed every 3 joints to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

03/22/2024

06/28/2024

HG Energy II Appalachia, LLC
Flesher 1212 S-5H
Perforation Record

Stage #	Date	Perf from	Perf to Depth	Number of Perfs	Formation
Sleeve/1	3/10/2022	22006	21980	2	Marcellus
2	3/11/2022	21946	21778	32	Marcellus
3	3/12/2022	21750	21582	32	Marcellus
4	3/12/2022	21554	21386	32	Marcellus
5	3/13/2022	21358	21190	32	Marcellus
6	3/13/2022	21162	20994	32	Marcellus
7	3/14/2022	20966	20798	32	Marcellus
8	3/14/2022	20770	20602	32	Marcellus
9	3/15/2022	20574	20406	32	Marcellus
10	3/15/2022	20378	20210	32	Marcellus
11	3/16/2022	20182	20014	32	Marcellus
12	3/16/2022	19986	19818	32	Marcellus
13	3/16/2022	19790	19622	32	Marcellus
14	3/17/2022	19594	19426	32	Marcellus
15	3/17/2022	19398	19230	32	Marcellus
16	3/17/2022	19202	19034	32	Marcellus
17	3/18/2022	19006	18838	32	Marcellus
18	3/18/2022	18810	18642	32	Marcellus
19	3/18/2022	18614	18446	32	Marcellus
20	3/19/2022	18418	18250	32	Marcellus
21	3/19/2022	18222	18054	32	Marcellus
22	3/20/2022	18026	17858	32	Marcellus
23	3/20/2022	17830	17662	32	Marcellus
24	3/20/2022	17634	17466	32	Marcellus
25	3/21/2022	17438	17270	32	Marcellus
26	3/21/2022	17242	17074	32	Marcellus
27	3/21/2022	17046	16878	32	Marcellus
28	3/22/2022	16850	16682	32	Marcellus
29	3/22/2022	16654	16486	32	Marcellus
30	3/23/2022	16458	16290	32	Marcellus
31	3/23/2022	16262	16094	32	Marcellus
32	3/23/2022	16066	15898	32	Marcellus
33	3/23/2022	15870	15702	32	Marcellus
34A	3/24/2022	15674	15506	32	Marcellus
34B	3/24/2022	15674	15474	60	Marcellus
35	3/25/2022	15447	15293	32	Marcellus
36	3/25/2022	15266	15114	32	Marcellus
37	3/25/2022	15086	14918	32	Marcellus
38	3/25/2022	14890	14722	32	Marcellus
39	3/26/2022	14694	14526	32	Marcellus

06/28/2024

40	3/26/2022	14498	14330	32	Marcellus
41	3/26/2022	14302	14134	32	Marcellus
42	3/27/2022	14106	13938	32	Marcellus
43	3/27/2022	13910	13742	32	Marcellus
44	3/28/2022	13714	13546	32	Marcellus
45	3/28/2022	13518	13350	32	Marcellus
46	3/28/2022	13322	13154	32	Marcellus
47	3/29/2022	13126	12958	32	Marcellus
48	3/29/2022	12930	12762	32	Marcellus
49	3/29/2022	12734	12566	32	Marcellus
50	3/30/2022	12538	12370	32	Marcellus
51	3/30/2022	12342	12174	32	Marcellus
52	3/30/2022	12146	11978	32	Marcellus
53	3/31/2022	11950	11782	32	Marcellus
54	3/31/2022	11754	11586	32	Marcellus
55	3/31/2022	11558	11390	32	Marcellus
56	3/31/2022	11362	11194	32	Marcellus
57	4/1/2022	11166	10998	32	Marcellus
58	4/1/2022	10970	10802	32	Marcellus
59	4/1/2022	10774	10606	32	Marcellus
60	4/1/2022	10578	10410	32	Marcellus
61	4/1/2022	10382	10214	32	Marcellus
62	4/2/2022	10186	10018	32	Marcellus
63	4/2/2022	9990	9822	32	Marcellus
64	4/2/2022	9795	9627	32	Marcellus
65	4/2/2022	9601	9433	32	Marcellus
66	4/3/2022	9407	9239	32	Marcellus
67A	4/3/2022	9213	9045	32	Marcellus
67B	4/3/2022	9213	9012	64	Marcellus
68	4/3/2022	9019	8851	32	Marcellus
69	4/3/2022	8825	8657	32	Marcellus
70	4/4/2022	8631	8463	32	Marcellus
71	4/4/2022	8437	8269	32	Marcellus
72	4/4/2022	8243	8075	32	Marcellus
73	4/4/2022	8049	7905	28	Marcellus

HG Energy II Appalachia, LLC

Flesher 1212 S-5H

Stimulation Record

Stage #	Date	Avg Pump Rate (BPM)	Avg Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	3/10/2022	81.0	9760	12050	4663	270000	7,175
2	3/11/2022	87.5	9,474	7,941	5,686	700000	16,031
3	3/12/2022	91.1	9,974	6,593	5,294	699225	15,037
4	3/12/2022	89.0	9,979	6,923	5,567	701800	13,081
5	3/13/2022	92.0	9,800	6,741	5,075	702500	12,527
6	3/13/2022	92.0	9,729	6,360	5,269	704100	11,790
7	3/14/2022	92.0	9,836	6,626	5,254	705000	9,516
8	3/14/2022	92.0	10,267	6,591	5,253	705000	9,726
9	3/15/2022	95.0	10,278	6,514	5,117	705000	9,865
10	3/15/2022	93.7	10,155	6,126	5,015	660780	9,294
11	3/16/2022	89.0	10,149	5,797	5,299	705400	9,754
12	3/16/2022	87.9	10,124	5,939	5,300	705400	9,765
13	3/16/2022	93.7	10,213	5,960	4,866	704000	9,564
14	3/17/2022	96.0	10,358	5,942	4,985	704130	9,841
15	3/17/2022	98.4	10,190	5,959	4,873	704150	9,854
16	3/17/2022	96.3	10,314	5,617	4,843	704120	9,649
17	3/18/2022	99.0	10,364	5,817	5,381	704250	9,646
18	3/18/2022	100.6	10,256	6,509	5,001	704200	11,799
19	3/18/2022	99.0	10,130	5,654	5,652	705150	10,120
20	3/19/2022	100.4	10,138	5,411	5,124	705390	9,713
21	3/19/2022	94.3	10,175	6,663	5,034	704250	9,701
22	3/20/2022	104.0	10,177	6,314	5,761	705420	9,982
23	3/20/2022	94.6	10,123	5,945	4,498	705310	10,560
24	3/20/2022	104.2	10,348	6,712	5,256	705400	9,688
25	3/21/2022	93.0	10,111	5,787	4,888	690000	10,742
26	3/21/2022	96.6	9,996	6,122	4,733	690000	9,528
27	3/21/2022	103.8	10,234	6,951	5,105	690040	9,684
28	3/22/2022	93.0	9,819	6,264	5,360	690000	9,604
29	3/22/2022	98.4	10,120	5,931	4,934	690080	9,394
30	3/23/2022	98.1	10,153	6,692	5,033	690060	9,592
31	3/23/2022	105.0	9,995	6,050	5,837	690000	9,568
32	3/23/2022	95.9	10,184	6,817	4,998	690000	9,511
33	3/23/2022	97.4	10,169	6,230	5,522	690000	10,361
34A	3/24/2022	63.1	11,067	6,146	5,242	1500	3,690
34B	3/24/2022	92.8	9,949	N/A	4,490	680000	9,648
35	3/25/2022	95.0	9,645	7,067	5,296	680000	9,435
36	3/25/2022	98.0	9,891	5,770	5,466	680100	9,305
37	3/25/2022	105.7	9,972	6,229	5,224	680000	9,339

38	3/25/2022	101.5	10,303	6,055	5,230	680000	9,319
39	3/26/2022	105.0	10,205	6,390	5,459	685000	9,604
40	3/26/2022	108.0	9,999	5,860	5,511	680000	9,485
41	3/26/2022	107.0	10,202	6,201	5,157	680000	9,469
42	3/27/2022	104.0	10,062	5,930	4,489	680000	10,557
43	3/27/2022	104.6	10,259	6,697	5,192	680000	9,307
44	3/28/2022	105.0	10,251	6,234	5,341	680000	9,716
45	3/28/2022	100.0	9,929	5,846	5,135	680000	10,537
46	3/28/2022	109.6	9,860	6,421	5,601	680000	9,477
47	3/29/2022	106.0	10,105	6,653	5,620	545000	8,654
48	3/29/2022	108.0	10,049	6,380	5,421	638000	9,101
49	3/29/2022	107.9	9,593	6,695	4,930	680000	10,478
50	3/30/2022	108.0	9,716	6,962	5,389	680000	9,366
51	3/30/2022	96.5	9,859	6,491	4,819	679980	12,073
52	3/30/2022	107.5	9,445	7,152	5,409	680000	9,511
53	3/31/2022	108.0	9,392	5,883	6,242	679800	9,546
54	3/31/2022	109.0	9,567	6,211	5,240	690000	9,526
55	3/31/2022	107.4	9,739	6,855	5,248	629910	9,142
56	3/31/2022	108.3	9,833	7,621	5,215	680000	9,421
57	4/1/2022	108.0	.	6,966	5,875	680000	9,355
58	4/1/2022	109.0	9,135	6,339	5,613	680000	9,351
59	4/1/2022	109.3	9,590	6,140	5,540	680360	9,493
60	4/1/2022	107.1	9,473	5,883	4,579	680040	10,326
61	4/1/2022	109.6	8,992	5,485	4,815	680480	9,531
62	4/2/2022	110.0	8,641	5,921	5,211	680000	9,356
63	4/2/2022	109.0	8,515	3,895	5,621	669500	9,397
64	4/2/2022	106.2	9,173	5,776	5,366	680980	10,123
65	4/2/2022	109.0	8,657	5,863	5,253	623700	9,547
66	4/3/2022	110.0	8,612	6,310	5,108	680000	9,497
67A	4/3/2022	27.0	8,943	6,231	4,832	400	2,412
67B	4/3/2022	107.0	8,308	5,847	6,821	677624	9,826
68	4/3/2022	109.0	8,698	6,125	4,616	596192	9,572
69	4/3/2022	110.0	8,292	6,165	5,048	680000	9,386
70	4/4/2022	109.0	8,356	4,892	5,729	679000	10,858
71	4/4/2022	110.0	8,621	6,698	5,332	679500	9,681
72	4/4/2022	108.0	7,571	3,583	5,386	680000	9,379
73	4/4/2022	110.0	8,908	5,962	5,415	690000	9,425

HG Energy II Appalachia, LLC

Lithology Record

Fletcher 1212 S-5H

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Office Of Oil and Gas

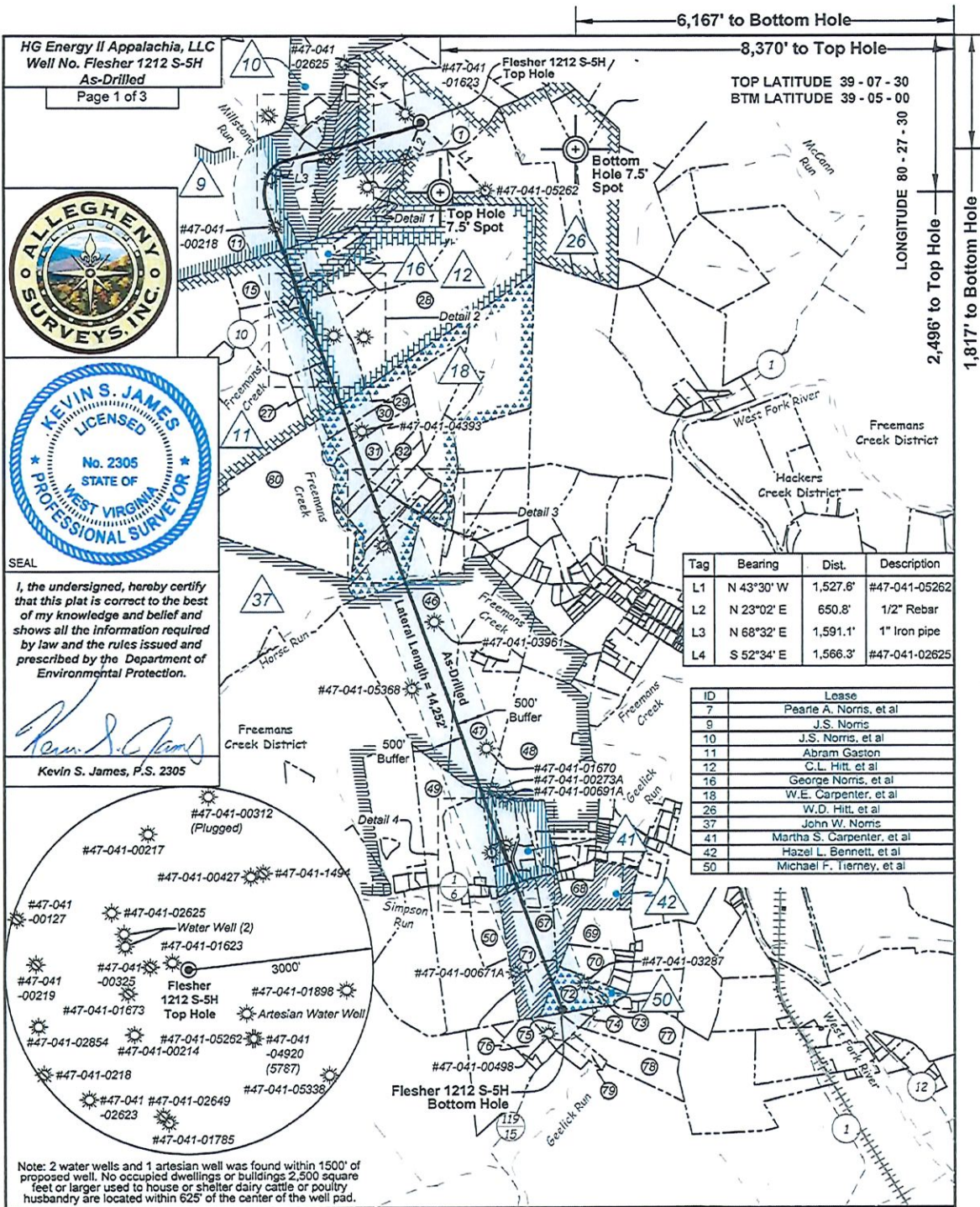
FEB 21 2024

WV Department of
Environmental Protection

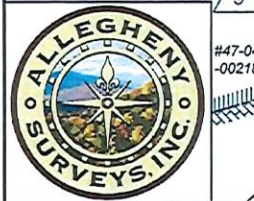
Formation	Top MD	Top TVD	Base MD	Base TVD
Gas sand	655	655	856	856
1st salt sand	856	856	1028	1028
Coal	910	910	906	906
2nd salt sand	1030	1030	1123	1123
Deepest coal	1065	1065	1068	1068
3rd salt sand	1213	1213	1245	1245
Upper Maxton	1350	1350	1353	1353
Lower Maxton	1495	1495	1546	1546
Big Lime	1569	1569	1631	1631
Big Injun	1631	1631	1722	1722
Gantz (storage)	1910	1910	1966	1966
50' Sand	2016	2016	2027	2027
30' sand	2118	2118	2139	2139
Gordon Stray	2154	2154	2191	2191
Gordon/Forth Sand	2191	2191	2272	2272
5th Sand	2399	2397	2445	2443
Bayard	2482	2480	2513	2511
Warren	2793	2789	2810	2806
Speechley	3120	3113	3134	3127
Balltown	3324	3311	3398	3381
Bradford	3851	3788	3937	3862
Benson	4648	4413	4661	4423
Rhinestreet	6703	6019	6999	6251
Cashaqua	6999	6251	7253	6457
Middlesex	7253	6457	7358	6537
West River	7358	6537	7480	6624
Burket	7480	6624	7532	6658
Tully	7532	6658	7719	6760
Hamilton	7719	6760	7829	6803
Marcellus	7829	6803	22081	6955

03/22/2024

06/28/2024

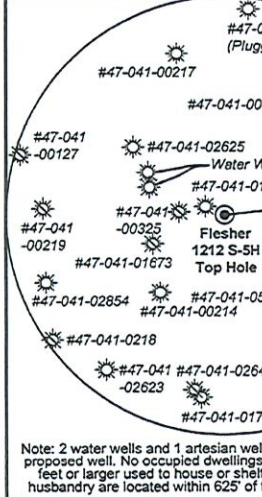


HG Energy II Appalachia, LLC
Well No. Flesher 1212 S-5H
As-Drilled
Page 1 of 3



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Kevin S. James
Kevin S. James, P.S. 2305



Note: 2 water wells and 1 artesian well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Tag	Bearing	Dist.	Description
L1	N 43°30' W	1,527.6'	#47-041-05262
L2	N 23°02' E	650.8'	1/2" Rebar
L3	N 68°32' E	1,591.1'	1" Iron pipe
L4	S 52°34' E	1,566.3'	#47-041-02625

ID	Lease
7	Pearte A. Norris, et al
9	J.S. Norris
10	J.S. Norris, et al
11	Abram Gaston
12	C.L. Hitt, et al
16	George Norris, et al
18	W.E. Carpenter, et al
26	W.D. Hitt, et al
37	John W. Norris
41	Martha S. Carpenter, et al
42	Hazel L. Bennett, et al
50	Michael F. Tierney, et al

FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 S-5H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: January 19 2022
OPERATOR'S WELL NO. Flesher 1212 S-5H
API WELL NO
47 - 041 - 05715
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: H.G. Energy II Appalachia, LLC
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00

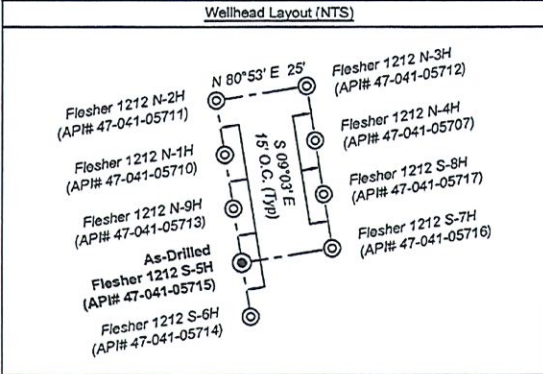
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled Plat 6,955' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,081' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

06/28/2024

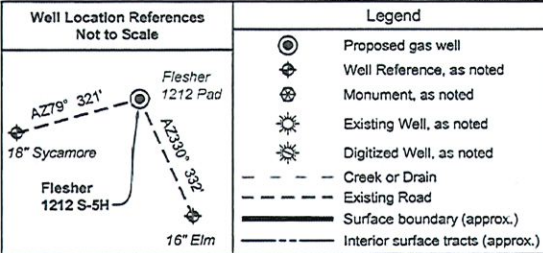


No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 47	HG Energy II Appalachia, LLC	753 / 453	70.00
2	6C / 25.1	William Radtka & Helen Burton	655 / 681	5.85
3	6C / 25	Robert M. Painter	629 / 411	23.13
4	6C / 23	Richard G. & Loretta E. Hayhurst	566 / 355	34.80
5	6C / 23.4	Richard G. Hayhurst, et ux	565 / 326	4.13
6	6C / 23.10	Gary Fams	700 / 769	0.65
7	6C / 23.6	Gary Fams	700 / 769	2.02
8	6C / 23.7	Gary C. & Brenda J. Maki	671 / 327	2.40
9	6C / 23.5	Larry Jarrett & Michelle Casey	661 / 455	1.53
10	6C / 22	Mann Family Trust	617 / 608	265.19
11	6C / 21	Thomas R. Zinn, et al	445 / 493	166.25
12	6C / 23.1	Michael & Laura Phillips	661 / 298	0.16
13	6C / 23.9	Michael & Laura Phillips	661 / 298	0.25
14	6C / 23.2	Michael & Laura Phillips	661 / 298	21.32
15	6C / 17	Eastern Gas Transmission & Storage, Inc.	427 / 545	17.49
16	6C / 27.2	Kenneth Roth	575 / 152	3.10
17	6C / 27.3	George & Lisa Cogar	594 / 16	10.20
18	6C / 29	Carolyn M. Sias, et al	718 / 171	1.25
19	6C / 27.1	Allen E. Daugherty	502 / 435	1.06
20	6C / 30	Richard W. Dunham	586 / 149	0.50
21	6C / 16	Valley Chapel U.M. Church	7 / 285	0.33
22	6C / 31	Chad E. Dunham	862 / 681	0.81
23	6C / 32	Richard W. Dunham	W11 / 100	28.52
24	6C / 14	Eastern Gas Transmission & Storage, Inc.	427 / 545	27.30
25	6C / 33	Michael J. & Whitney N. Marsh	628 / 734	2.25
26	6C / 34	Richard W. Dunham	533 / 799	3.00
27	6C / 13	Eastern Gas Transmission & Storage, Inc.	427 / 545	6.57
28	6C / 32.1	Fred A. Bailey	W25 / 263	92.89
29	6C / 35	Richard D. & Connie S. Carpenter (LE)	707 / 83	15.00
30	6C / 36	Richard D. & Connie S. Carpenter (LE)	707 / 83	12.00
31	6C / 37	Richard D. & Connie S. Carpenter (LE)	707 / 83	21.50
32	6D / 24	Richard D. & Connie S. Carpenter (LE)	707 / 83	8.00
33	6D / 25	Larry & Gina F. Simon	702 / 865	4.30
34	6D / 25.3	Jessica L. Bailey	715 / 903	0.57
35	6D / 25.2	WV American Water Co.	583 / 337	0.01
36	6D / 25.4	Jessica L. Bailey	715 / 903	6.47
37	6D / 26	Elden R. Jackson	468 / 370	3.99
38	6D / 27.1	Karen Sue Carson	553 / 232	2.00
39	6D / 32	Elden R. Jackson	468 / 370	2.85
40	6D / 30	Scott & Amy Carpenter	709 / 826	3.93
41	6D / 28	Alicia Sue Lang	W31 / 530	1.68
42	6D / 30.1	Charles F. Bailey	W25 / 263	5.37
43	6D / 29	Tina M. Burnside	W42 / 563	1.91
44	6D / 29.1	Mary J. Bailey Trust	W49 / 571	14.09
45	6D / 37	Charles R. Kemper	487 / 688	13.40
46	6D / 55	Edward E. Garrett	482 / 153	95.00
47	6D / 65	Edward E. Garrett	482 / 153	61.08
48	6D / 64	Mary Lou Curry Trust	681 / 626	69.00
49	6D / 83.2	Edith L. Withers	W27 / 108	34.00
50	6D / 84	Chad & Elizabeth Boram	739 / 539	31.01
51	6D / 85.2	Martha & Raymond W. James, Jr.	570 / 478	4.40
52	6D / 85.6	Brian S. & Donna M. Seckman	546 / 250	6.07
53	6D / 85.7	Brian S. & Donna M. Seckman	546 / 250	3.33
54	6D / 90.1	Edgar L. & Patricia E. Bleigh	751 / 153	5.20
55	6D / 85	Brian S. & Donna M. Seckman	600 / 715	2.00
56	6D / 85.3	Kenneth F. & Sheryl A. Short	710 / 296	1.96
57	6D / 85.5	Tracy D. & Edgar L. Bleigh, Jr.	548 / 109	1.26
58	6D / 85.1	Stephen M. Perry	655 / 286	0.57
59	6D / 85.4	Ann L. James, et al	608 / 184	2.60
60	6D / 84.2	Joseph M. & Linda G. Menendez	592 / 685	0.52
61	6D / 84.1	Evelyn M. Moneypenny	W12 / 471	0.52
62	6D / 84.4	Robert B. & Valerie Westfall	688 / 516	0.52
63	6D / 86.1	Carlos R. & Teresa Oseguera	747 / 112	0.56
64	6D / 86.2	Joseph C. & Kathryn Q. Kemper	598 / 475	0.46
65	6D / 86.3	David B. & Debra A. Montgomery	665 / 739	2.27
66	6D / 88	Robert Bailey, et al	659 / 782	4.20
67	6D / 86	David B. & Debra A. Montgomery	557 / 829	23.85
68	6D / 93	David B. & Debra A. Montgomery	614 / 714	19.10
69	7D / 17	Karen Butcher, et al	FID	13.75
70	7E / 1.5	George W. Persinger	565 / 70	10.11



Notes: Well No. Flesher 1212 S-5H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°07'05.32" Longitude: 80°29'16.24"
Bottom Hole coordinates Latitude: 39°04'42.04" Longitude: 80°28'48.23"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,330,022.638m E: 544,290.717m
Bottom Hole Coordinates N: 4,325,609.788m E: 544,988.531m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Notes: Well No. Flesher 1212 S-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates N: 14,206,082.59" E: 1,785,727.12"
Landing Point Coordinates N: 14,204,989.20" E: 1,783,186.43"
Bottom Hole Coordinates N: 14,191,604.78" E: 1,788,016.54"



No.	TM / Par	Owner	Bk / Pg	Ac.
71	6E / 46	Marjone L. & Michael F. Tierney, Jr.	520 / 168	11.00
72	6E / 32	Marjone L. & Michael F. Tierney, Jr.	582 / 479	12.60
73	7E / 53	Marjone L. & Michael F. Tierney, Jr.	564 / 168	1.00
74	6E / 33	John W. & Debra K. Carroll	384 / 231	2.64
75	6E / 29.1	Samuel M. & Janice S. Bailey	338 / 639	5.72
76	6E / 30.2	Robert Bailey, et al	659 / 782	6.22
77	7E / 5	Martha C. Queen	553 / 416	20.40
78	7E / 6	Martha C. Queen	553 / 416	15.38
79	6E / 44	Terry & Susanna Flesher	639 / 812	3.00
80	6D / 23	Scott & Amy Carpenter	709 / 826	80.00

FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 S-5H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV



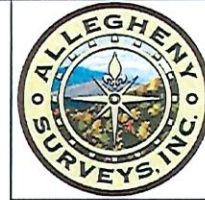
DATE: January 19 2022
OPERATOR'S WELL NO. Flesher 1212 S-5H
API WELL NO
47 - 041 - 05715
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

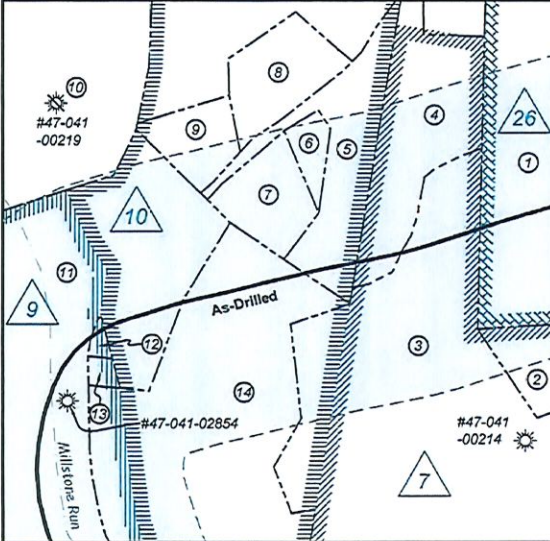
LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: H.G. Energy II Appalachia, LLC
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled Plat 6.955' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,081' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

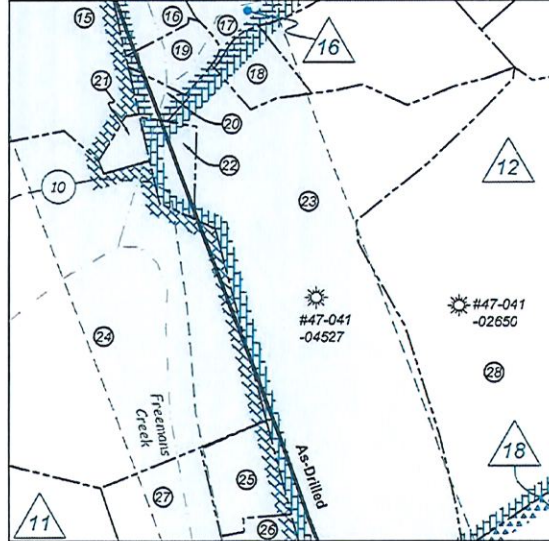
06/28/2024



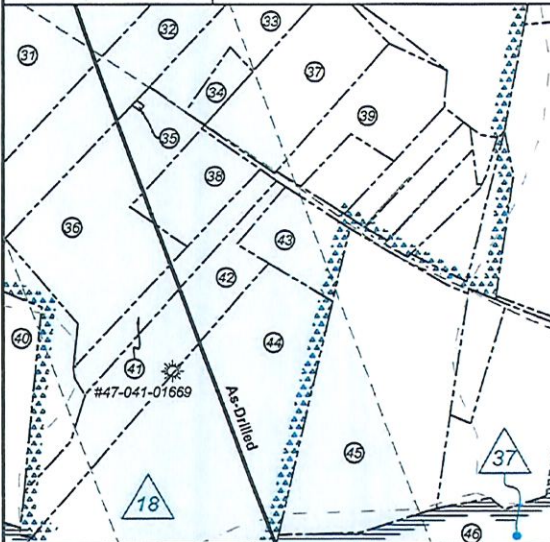
Detail 1 (Scale 1"=500')



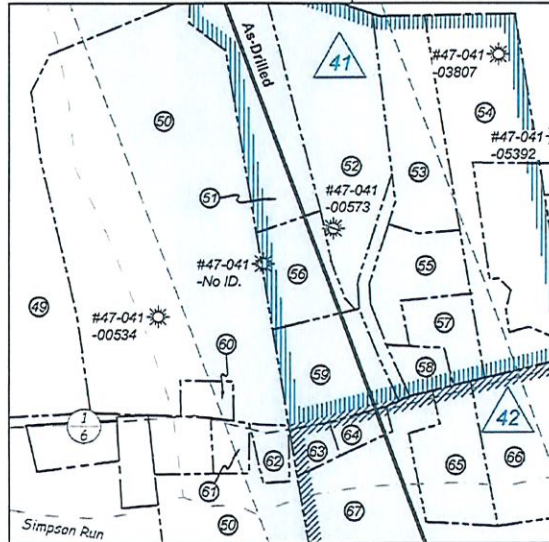
Detail 2 (Scale 1"=500')



Detail 3 (Scale 1"=500')



Detail 4 (Scale 1"=500')



FILE NO: 156-36-12-U-F-19
 DRAWING NO: Flesher 1212 S-5H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Bridgeport, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: January 19 2022
 OPERATOR'S WELL NO. Flesher 1212 S-5H
 API WELL NO
 47 — 041 — 05715
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Weston
 DISTRICT: Freemans Creek COUNTY: Lewis
 SURFACE OWNER: H.G. Energy II Appalachia, LLC ACREAGE: 70.00
 ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled Plat 6.955' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,081' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

06/28/2024

